

# New Software Development Paradigms Panel

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# Intentional Vision

- What it is?
  - Refactoring the programming process into a “spec” and a transformation.
  - Spec is domain specific by definition
  - Programmers write transformations for an implementation, not implementation itself.
  - Focus is on preserving / reusing human contribution, not frozen artifacts.

# Intentional Vision: Benefits

- Variations in spec expressible in domain terms: cost remains proportional.
- Variations in implementation are independent of computational intent: value amplified.
- Artifacts are more reusable, more reliable.

# Compare with...

- Software engineering
- Modularization
- Very High Level Languages
  - Automatic programming
  - Domain specific languages
- Formal Methods
- Aspects
- Objects / components